

Internship Posting Date: September 2, 2008
Internship ID #: 08013



Intern Application Deadline: Until Project Completion

New Jersey Department of Environmental Protection Internship Opportunity

Internship: ☒ Summer ☒ Fall Semester ☐ Winter Break ☒ Spring Semester

Internship Type: ☐ Co-op* ☒ Credit-Bearing* ☐ Non-credit

Internship Pay: ☒ Non- Paid ☐ Paid Pay Rate:

Intern Level: ☒ Graduate School ☒ Undergraduate ☐ High School

Suggested Background or Knowledge: Environmental Science; Biology, Geology; and Chemistry with a working knowledge of GIS and Excel Software

DEP Program Area and Work Unit Offering the Internship: Division of Watershed Management – Bureau of Environmental Analysis and Restoration (DWM - BEAR)

Internship Location: 401 East State Street, Trenton, NJ 08625

Geographic Information System Project

This is an ongoing project that will require at least one intern per semester to complete.

The NJ Watershed Ambassadors program collects data each year to aid in TMDL development and implementation. This data includes both visual assessment and biological assessment data for various water bodies throughout the state. Interns would work to create a Geographic Information System (GIS) layer that illustrates the locations of the assessments that have been performed over the past 7 years. GIS layer would include data such as; assessment start and end location, type of assessment, assessment score when applicable etc. Some field work may be required.

Intern Duties would include:

- Utilize Geographic Information System (GIS) software to create a layer/shapefile that identifies NJWA assessment locations
- Limited field work maybe required

More information about the Division of Watershed Management can be found at <http://www.state.nj.us/dep/watershedmgt/>

Estimated Project Duration and Suggested Weekly Work Schedule: Flexible – Commensurate w/ 3 or 4 credits

Internship Learning Objectives / Marketable Skills: ability to compile, assess and draw conclusions from data analysis

Description of DEP Program Area/Work Unit Offering the Internship:

Division of Watershed Management: The goal of the Division of Watershed Management (DWM) is nonpoint source (NPS) pollution control and comprehensive water resource management on a watershed basis. Towards that end, the DWM follows two paths. The first path is a rule approach for preventing water quality degradation, which employs regulations to achieve its goal. The second path is an action approach to remedy existing water quality

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problems, employing Total Maximum Daily Load (TMDL) determinations, NPS control (319) projects, and stream restoration efforts.

The Bureau of Environmental Analysis and Restoration (BEAR) develops technical “tools” for the use of the DWM and its partners in watershed planning, protection and restoration. Among those tools are: the development of TMDLs; the writing of rules and regulations including Stormwater Management Rules, Water Quality Management Planning Rules, Sewage Infrastructure Improvement Rules and portions of the Highlands Rules; and the development of environmental standards, technical or administrative guidance documents for rule implementation, model ordinances, and best management practices (BMPs).

Internship Hiring Contact: Rebecca Jones (609) 984-4423, Rebecca.jones@dep.state.nj.us

Internship Sponsor: Kimberly Cenno, Supervisor or Patricia Ingelido, Principal Environmental Specialist

***For credit-bearing internships only:** Sponsor Phone Number and Email: (609) 633-1441

kimberly.cenno@dep.state.nj.us or patricia.ingelido@dep.state.nj.us

Please Respond With a Completed Application Form, Resume, and Cover Letter to:

New Jersey Department of Environmental Protection / Division of Human Resources

P.O. Box 408 / Trenton, NJ 08625

Attn: Internship Program

Email Address: Rebecca.Jones@dep.state.nj.us

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